

TDIXconnX™

Protect and manage your machinery.... and your hardware investment!

by Pier Parisi

Marketing Specialist
Bently Nevada Corporation

You don't need to replace your existing monitoring system when you upgrade to the latest computerized data acquisition and analysis system. TDIXconnX allows you to use online machinery management products, such as Transient Data Manager®2 (TDM2) and Engineer Assist™, with many existing monitoring and transmitter systems.

Extend the life cycle of your hardware

Bently Nevada has been manufacturing monitoring systems for over thirty years. Our monitoring systems are designed for years of trouble-free operation. Many of our older systems continue to provide **highly reliable machine protection**. TDIXconnX provides a cost-effective path from your existing machinery protection systems to our latest machinery management systems.

Using TDIXconnX, you will extract additional value from your online monitors. The TDIX hardware you install can still be used if you upgrade your monitors with newer products, such as Bently Nevada's 3300, 2201, or 3500 Monitoring Systems.

Minimize per-point cost

TDIXconnX allows you to **optimize** the **hardware per-point cost** of the TDIX Communications Processor. The Communications Processor is the link between a Bently Nevada monitoring system and our computerized machinery management systems. Since you can wire individual points into the TDIX, you can match the number of sampler cards (which are inside the TDIX) with the

number of points being monitored. This can save you a substantial amount of money on hardware and installation costs and reduce space requirements.

Enhance the flexibility of your online machinery management tools

TDIXconnX is an add-on module that enables you to connect a TDIX Communication Processor to a wide range of monitoring and transmitter systems. This product was specifically designed to be compatible with most versions of the following systems:

- 3300 Monitoring Systems (including those manufactured prior to 1991)
- 7200 Monitoring Systems
- 9000 Monitoring Systems
- 1800 Dynamic Transmitor™ Module (backplane-mount version)
- Other selected monitoring and transmitter systems (please ask your nearest Bently Nevada representative)

Your nearest Bently Nevada representative will be able to quickly determine whether your monitoring or transmitter system is compatible with TDIXconnX.

Minimize cost, simplify installation

A variety of TDIXconnX cabling options are available for use with many different monitoring system architectures. These options range from the versatile individual wire "point-to-point," to the pre-assembled 25 pin and 15 pin cable architectures. A special, small interface unit has been designed to allow direct "plug-in" connectivity to our 1800 Dynamic Transmitor Module backplane-mount systems, **reducing per-point installed cost**.

Optimize machinery and process management

TDIXconnX is completely compatible with our **Engineer Assist™** (EA) expert system, the most effective decision support tool available today. EA performs automated "online" machinery audits, and improves your ability to schedule maintenance work, while helping you **reduce repair and downtime costs**. EA's remote diagnostics capabilities reduce your troubleshooting time and cost, while improving the accuracy of your machinery diagnostics analysis. The main value of an expert system, such as EA, is to automate the process needed to review a large and complex database, maximizing the efficiency of plant personnel and increasing your plant's productivity.

TDM2 Software and the TDIXconnX Communications Processor collect trend, waveform and status information from your machines, including data during startup and coastdown. Serial data from the system is available via the Modbus® or Allen-Bradley interface, so you can transmit data digitally to your Distributed Control System (DCS). Access to this data allows you to correlate vibration data with process parameters.

Bently Nevada support

We are committed to providing you with **continuous support** to help you better protect and manage your machinery. Not only do we provide you with the best new technological solutions; we take it one step further and allow you to get the most out of the monitoring systems you already have. Our products and services are always focused at improving your economic bottom line. ■